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*Projective Groups of Perspective Collineations in the Plane Treated Synthetically.* Pamphlet, 34 pages.

A dissertation presented to the Faculty of the University of Kansas by Arnold Emch to attain the degree of Doctor of Philosophy.

B. F. F.

*The Outlook Illustrated Monthly Magazine*, Number for October. Price, 10 cents. The Outlook Co., 13 Astor Place, New York.

This number contains a full account of Princeton's 150th Anniversary, by Henry Van Dyke, with pictures; The Boys' Republic, by Washington Gladden, with twelve pictures; William Morris: A Poet's Workshop, by R. F. Zueblin, with five pictures; The Founder of the Y. M. C. A., by Lord Kinnaird, with nine pictures.

B. F. F.

*Popular Astronomy.* Edited by W. W. Payne and H. C. Wilson, Goodsell Observatory of Carlton College, Northfield, Minnesota.

The November number contains the following: The Teaching of Descriptive Astronomy; Sketch of Astronomical Work at Munich; Biography of Prof. H. A. Newton, New York Evening Post; The Theory of Probability—An Historical Sketch; The Moon; The Constitution and Function of Gases; The Twilight; The Fixed Stars; The Planets and Constellations for October; Variable Stars.

B. F. F.

*Prace Matematyczno-Fizyczne.* Wydawane. Przez S. Dicksteina, Warsaw, Russia.

*The Mathematical Gazette.* Edited by F. S. Macauley, St. Paul's School, West Kensington, W. London, England. Price, 3s. per year.

*The Gazette* aims at satisfying a want felt by many students for a Journal of Elementary Mathematics and is especially intended to be useful to teachers.

B. F. F.

*The Cosmopolitan.* An International Illustrated Monthly Magazine. Edited by John Brisben Walker. Price, \$1.00 per year in advance. Single number, 10 cents. Irvington-on-the-Hudson.

*The Review of Reviews.* An International Illustrated Monthly Magazine. Edited by Dr. Albert Shaw. Price, \$2.50 per year. Single number, 25 cents. The Review of Reviews Co., New York.

#### ERRATA IN OCTOBER NUMBER.

Page 246, line 3, for " $5^{n+1}$ " read  $5^{n-1}$ .

Page 246, line 14, insert + before last term of (1).

Page 246, line 15, for " $4^{\frac{n}{2}} \cdot .5$ " read  $4^{\frac{n-1}{2}} \cdot .5$ .

Page 246, line 19, insert + before last term in (2).

Page 247, line 12, for " $4626x^3$ " read  $4626x^5$ , and for "x" read +.

Page 248, line 9, complete parenthesis after numerator of next to last term.

Page 250, problem 72 should read  $2\sqrt{2} + \sqrt{3}/(4 + \sqrt{6 - \sqrt{2}})$ .

Page 251, line 7 from bottom, for " $(-x)$ " read  $(-a)$ .

Page 252, l. 20, read  $R = [F(C^2 - 4AB) + AE^2 + BD^2 - CD^2]/(4AB - C^2)$ .

Page 252, line 2 from bottom, reverse last mark of parenthesis after  $F$ .

Page 253, line 5, for " $(Em^2 - 2k)$ " read  $(Em^2 - 2k)y$ .

Page 254, line 2, second = should be +.

Page 255, line 14, for " $n =$ ," etc. read  $u$ .

Page 255, line 18, for "(3)" read (2).

Page 256, line 1, in denominator, for " $\sqrt[3]{m \div n}$ " read  $\sqrt[3]{n \div m}$ .